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Appln. No. 10/701,515

Reply to Office Action dated 1/24/2007

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APR 24 2007

AMENDMENTS TO THE CLAIMS

The following Listing of Claims will replace all prior versions, and listings of claims in the Application:

Listing of Claims:

1. (Currently Amended) A self-retaining urinary drainage catheter system, comprising:

(a) a longitudinally extending flexible tube having a predetermined outer diameter, an open distal end and a closed proximal end, said flexible tube defining at least one lumen, said closed proximal end having a plurality of longitudinally directed slits formed through a wall of said flexible tube defining a plurality of inherently resilient flexible tube slit portions devoid of separate spring members;

(b) a reversably and radially displaceable mechanism for displacing said plurality of flexible tube slit portions of said proximal end to a first configuration abutting in a non-continuous manner an inner surface of a urinary bladder, said first configuration of flexible tube slit portions having an outer diameter greater than said predetermined diameter of said flexible tube and defining a plurality of drainage apertures, and for displacing said plurality of flexible tube slit portions to a second configuration wherein said plurality of flexible tube slit portions has a diameter substantially equal to said predetermined outer diameter of said flexible tube, said plurality of drainage apertures being in direct fluid communication with

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said lumen, wherein said reversably and radially displaceable mechanism does not substantially obstruct a lumen of said catheter, and said catheter being of sufficient stiffness to be reversably insertable in a human being without using a stylet; and

(c) a wire control device having a portion positionally located external and displaced from said longitudinally extending flexible tube, said wire control device having a reversible locking mechanism for locking said wire control device in a predetermined position and a portion thereof longitudinally and slidably positioned within a lumen of said longitudinally extending flexible tube, said wire control device fixedly secured at a first end to an inner surface of said closed proximal end.

2. (Currently Amended) The self-retaining urinary drainage catheter system as recited in claim 1, wherein ~~a portion of said wire control device is longitudinally and slidably positioned within a lumen of said longitudinally extending flexible tube, said wire control device fixedly secured at a first end to an inner surface of said closed proximal end and having~~ has a length greater than a length of said longitudinally extending flexible tube so that a second end of said wire control device protrudes through said open distal end.

Claims 3-6 (Canceled).

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7. (Original) The self-retaining urinary drainage catheter system as recited in claim 2 wherein said wire control device is composed of a metal or non-metallic material with a predetermined stiffness and flexibility.

8. (Previously Presented) A self-retaining urinary drainage catheter system, comprising:

(a) a longitudinally extending flexible tube having a predetermined outer diameter, an open distal end and a closed proximal end, said flexible tube defining at least one lumen, said closed proximal end having a plurality of longitudinally directed slits formed through a wall of said flexible tube and defining a plurality of inherently resilient flexible tube slit portions devoid of separate spring members; and,

(b) a wire control device, a portion of said wire control device being substantially coaxial with and longitudinally and slidably positioned within a lumen of said longitudinally extending flexible tube, and fixedly secured at a first end to an inner surface of said closed proximal end, and having a length greater than a length of said longitudinally extending flexible tube so that a second end protrudes through said open distal end, for reversably and radially displacing said plurality of flexible tube slit portions of said proximal end to a first configuration

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abutting in a non-continuous manner an interior surface of a urinary bladder, said first configuration of said plurality of flexible tube slit portions having an outer diameter greater than said predetermined diameter of said flexible tube and defining a plurality of drainage apertures, and displacing said plurality of flexible tube slit portions to a second configuration wherein said plurality of flexible tube slit portions has a diameter substantially equal to said predetermined outer diameter of said flexible tube, said plurality of drainage apertures being in direct fluid communication with said lumen, wherein said wire control device does not substantially obstruct a lumen of said catheter, and said catheter being of sufficient stiffness to be reversably insertable in a human being without using a stylet.

9. (Previously Presented) A self-retaining urinary drainage catheter system, comprising:

(a) a longitudinally extending flexible tube having a predetermined outer diameter, an open distal end and a closed proximal end, said flexible tube defining only one single lumen, said closed proximal end having a plurality of longitudinally directed slits formed through a wall of said flexible tube and defining a plurality of flexible tube slit portions; and,

(b) a reversably inflatable balloon located internal said single lumen and positioned between said plurality of flexible tube slit portions and connected

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to an injectable valve situated adjacent to said open distal end by a flexible non-distensible micro-catheter, wherein a fluid may be reversably injected so as to expand said reversably inflatable balloon for reversably and radially displacing said plurality of flexible tube slit portions of said proximal end to a first configuration abutting in a non-continuous manner an inner surface of a urinary bladder, said first configuration of flexible tube slit portions having an outer diameter greater than said predetermined diameter of said flexible tube and defining a plurality of drainage apertures, and displacing said plurality of flexible tube slit portions to a second configuration wherein said plurality of flexible tube slit portions has a diameter substantially equal to said predetermined outer diameter of said flexible tube, said plurality of drainage apertures being in direct fluid communication with said lumen, wherein said microcatheter does not substantially obstruct a lumen of said catheter, and said catheter being of sufficient stiffness to be reversably insertable in a human being without using a stylet.

10. (Original) The self-retaining urinary drainage catheter system as recited in claim 9, wherein said reversably inflatable balloon is substantially spherical.

11. (Original) The self-retaining urinary drainage catheter system as recited in claim 9, wherein said reversably inflatable balloon defines a simple closed non-

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spherical chamber and has a long axis and a short axis, said long axis being of greater length than said short axis, and said reversably inflatable balloon is located with said long axis substantially perpendicular to a longitudinal axis of said longitudinally extending flexible tube, whereby inflation of said reversably inflatable balloon displaces said plurality of flexible tube slit portions to said first configuration, and deflation of said reversably inflatable balloon displace said plurality of flexible tube slit portions to said second configuration.

12. (Original) The self-retaining urinary drainage catheter system as recited in claim 8, wherein said wire control device further comprises a means for reversably locking said wire control device in a predetermined position.